

REMARKS

Claims 1-15 are pending. Claims 1 - 10 are allowed by the November 13, 2006 Office Action. Claims 11 - 15 are rejected. By this amendment, claims 11 and 13 are amended. Prompt examination and issuance of a Notice of Allowance are respectfully requested.

On pages 3 - 7 the Office Action rejects claims 11 - 15 under 35 U.S.C. § 103(a) over one or more of U.S. Patent 5,732,235 to Kahle (hereafter Kahle), U.S. Patent 5,537,559 to Kane et al. (hereafter Kane), U.S. Patent 5,515,521 to Whitted et al. (hereafter Whitted), and U.S. Patent 5,584,037 to Papworth et al. (hereafter Papworth). These rejections are respectfully traversed.

Claim 11 is amended to clarify that the mixed-ISA architecture comprises a native instruction set (ISA) pipeline and an emulated ISA pipeline, and that the previously claimed fetch address queue stores a fetch address of a line of instructions when the emulated ISA pipeline stalls. This amendment is supported in the specification at least at page 5, lines 30 - 35.

The applied references, particularly Kane and Kahle, individually and in combination, do not disclose all the features of amended claim 11. For example, Kane is directed to a single-pipelined computer architecture, and fetch addresses are always stored in Kane's fetch address queue. Kahle discloses a method and system for executing semantic routines in a processor that emulates guest instruction. However, Kahle does not disclose or suggest storing fetch addresses in a queue when pipelined processing stalls. Finally, Whitted and Papworth do nothing to cure the defects in Kane and Kahle. Accordingly, claim 11 is patentable. Claims 12 - 15 depend from patentable claim 11, and for this reason and the additional features they recite, claims 12 - 15 are also patentable. Accordingly, Applicant requests allowance of claims 11 - 15.

Should the Examiner believe that anything further is desired in order to place the application in even better condition for allowance, the Examiner is invited to contact Applicants' undersigned representative at the telephone number listed below.

Respectfully submitted, Reg. No. 43,997


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